

## APPENDIX B

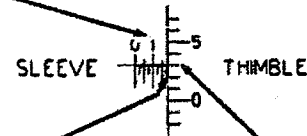
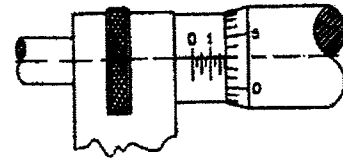
**Reading a Micrometer**

There are three steps to reading a micrometer. Using the illustrations shown below, it will be easy to understand how the measurement is read. The distance being measured appears between the zero on the number line and the edge of the thimble.

**English**

1. Count the number of one hundred thousandth (0.100) divisions that are visible on the reading line = 1 or 0.100
2. Count the number of twenty-five thousandth (0.025) divisions that are visible on the reading line between 1 and the edge of the thimble = 3 or 0.075
3. Count the number of one thousandth (0.001) divisions on the thimble from 0 to the reading line = 3 or 0.003

Add the three values = 1.178"

**Metric**

1. Count the number of millimeter divisions visible on the reading line = 5 or 5.00
2. Count the number of fifty hundredth millimeter divisions that are visible on the reading line between the last millimeter division and the edge of the thimble = 1 or 0.50
3. Count the number of one hundredth (0.01) millimeter divisions on the thimble from 0 to the reading line = 28 or 0.28

Add the three values = 5.78 mm

